NAVSEALOGCEN Pacific

CDMD-OA/RADWeb

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NAVSEA

NAVAL SEA SYSTEMS COMMAND

Overview

- Quality Improvement
- ASI Closed Loop
- ASI Quality Assurance
- Fleet Firewall
- RADWeb 3.0
- RADWeb 4.0

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Quality Improvement

- **Program Review December 19-20, 2001**
  - Quarterly Program Review
  - Weekly Conference calls between NAVSEA 04L5 and NSLC Pacific
  - Established High Priority List
- **NAVSEA, NAVICP, and NSLC Pacific review of code and processes.**
  - 2 Conducted: 17-21 December & 4-8 March
  - New Construction Review: 16-19 Apr at BIW
  - Next Review: 29 Apr-3 May at NSLCPAC

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Quality Improvement

- **CDMD-OA Release Manager**
- **Established NSLC Pacific test group**
- **Customer assistance with testing**
- **Additional Programmer to help complete FY01 priorities**

ASI Closed Loop

- **FLSIC Action item (011115-10)**

- **Need an automated way of tracking and verifying all records transferred between NAVICP and CDMD-OA in order to ensure accurate data is returned to the Fleet.**

ASI Current Process

- **Weekend maintenance(11 remote servers)**
  - E52 maintenance (Supply requests)
  - C14 transactions (WSF Updates)
- **Sent to NAVICP from each remote server**
- **NAVICP processes the data and sends Supply ASI back to CDMD-OA**
- **CDMD-OA sends Supply ASI rejects back to NAVICP.**
- **ASI sent to the ship upon request**

ASI Quality Assurance

- **Creating C14, E52, ASIOUT, ASI reject files**
  - Initially write records to a database table instead of a file.
    - Mark records as they are processed.
    - If process is interrupted (server, network,…) the program continues where it left off writing to the database. No partial files are generated. Only complete files are sent to NAVICP.
    - When processing is complete, records are copied to an interface file and sent to NAVICP as a complete set.

ASI Quality Assurance

- **Proof of successful completion of weekend maintenance per server(11 remotes).**
  - Generate and send a file containing data or if no data generated a file containing "NODATA".
  - Generate and send a file to NAVICP with record counts.
- **Record the date, counts, and filename in the statistics table by UIC on local server and Central for viewing.**

Fleet Firewall

- **FTP Vulnerability**
  - FTP transmits all data in clear text and RAD uses FTP to transfer files. RAD does encrypt for NNPI file transfers
  - Fleet Firewall Policy no longer allows unsecured FTP.
- **Solution**
  - Modify RAD to use Secure Shell transfer software.
  - Rewrite the file transfer in RADWeb to use secure socket layer(SSL) encryption with the https protocol.

Fleet Firewall

- **SQLNet and Microsoft port Vulnerability**
  - Remote servers are running NT Oracle version 7.
- **Solution**
  - Consolidate the 11 remote servers in 3 regional SUN servers
  - Change operating system to Solaris (Unix).
  - Upgrade to Oracle 8.1.7
  - Use Secure SQLNET for Server-Server communication.

Fleet Firewall

- **Remote Administration**
  - NSLC Pacific currently administrators the remote servers using ftp, telnet, and NT drive mapping.

- **Solution**
  - Use VPN(Virtual Private Network) between new regional SUN servers and

RADWeb 3.0

- Oracle login and authentication.
- New password security features.
- Ability for users to change passwords.
- Merged CDMD-OA and RADWeb admin data tables, allowing a single user ID and password for both CDMD-OA and RADWeb.
- Admin module for TYCOM's to add/update users.
- Userid and password now required for download of RADWeb executable.

RADWeb 4.0

- Remove UIC requirement at login for ships
- Create low bandwidth pages for ships (faster with less graphics)
- Remove FTP for transferring of files
- Secure Socket Layer(SSL) using HTTPS
- New encryption method for files
- RADWeb 4.0 will be NMCI certified

Summary

- NAVSEA and NSLC Pacific, in a combined effort, are working very hard to provide the Fleet quality data in a timely manner using new technologies.

Priorities

- Maintenance and Support
- Fleet Firewall
- MAMS
- ASI Quality Assurance
- ERP
- IPDE Interface
- Class Functional Configuration Baseline Index (CFCBI)
- Triple RIN